



THE CANNON

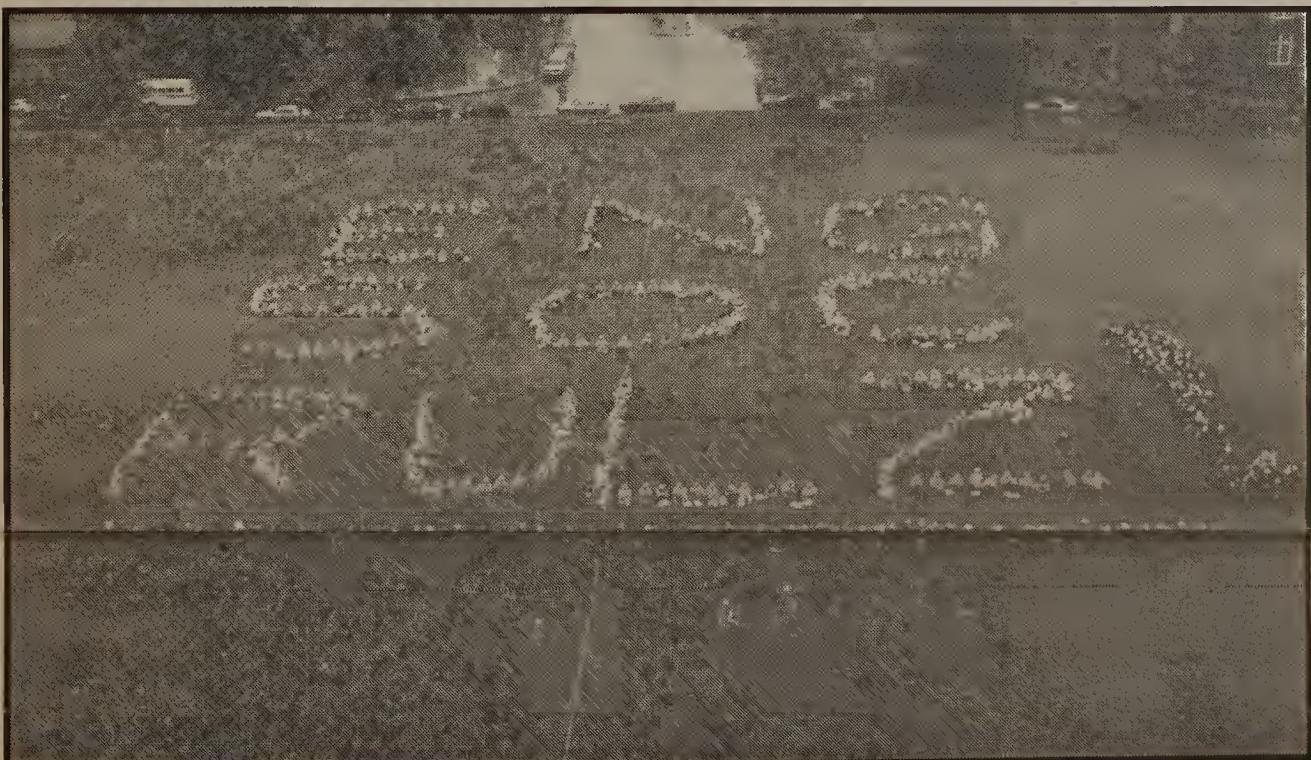
The Official Newspaper of the University of Toronto Engineering Society, Est. 1977

Vol. 12

October 4, 1994

No. 2

Engineering Orientation 9T4



WHAT A BLAST!!

Rowan Wilson
VP Activities
MMS 9T6

The F!rosh of 9T8 arrived bright and early on the morning of September 6th. In front of con hall they met the F!rosh leaders for the first time, and were "welcomed" properly. After half an hour of jumping, shouting and frying like bacon, they moved into Convocation Hall. There they were greeted by the faculty, taught the principles of Schrodinger's quantum theory (no cats were harmed as a result of this demonstration!) and given the oath that inducted them to the fold! (while the Brad played on!)

Afterwards, they braved the artsie-infested campus for a tour and lunch at Hart House. Several attempts to steal hard-hats were repulsed, and the lunch served was awesome (real food, thanks to the faculty). Plenty of

F!rosh had their arms dyed too! After that, the F!rosh were sorted into letters on front campus, proclaiming to everyone at an altitude of 20 metres or higher that "Eng Soc Rulz!" To everyone lower it just looked like a bunch of people in hard hats milling about.

Then the Toronto walkaround swept everybody up and through Bobby's world (a.k.a. Queen's Park) where one security guard did jump up and down, and on through Toronto. Ryerson got a taste of our attitude as everyone marched in front of Jorgensen Hall and the Business building. Then it was on to the Eaton Centre, and marching through the shops (good thing the LGMB wasn't there, otherwise we would have been kicked out for making noise). After that, on to Nathan Phillips Square, and the traditional waterfight.

Wednesday was calmer, starting with the F!rosh racking their brains out on the TPT, then Shinerama, and finally Ultimate Frisbee. F!rosh Nite that night was awesome, with music, BEvERages, and a bigger place. And don't forget Adopt-A-Highway that afternoon as well.

Classes started Thursday and Friday, but the Elecs/Comps won the bedrace again, and Engineering won the tug-of-war on front campus (almost got the rope, too). Saturday's football game showed off our spirit, while the scavenger hunt showed off our collecting ability. (nothing was stolen, nothing stolen was broken, and nothing broken was returned!) And yes, Elvis has left the building...

Overall Orientation 1994 was an awesome ride! Everyone had a good time (except the chem department...) and

nothing major went wrong. Everyone who came out did a great job and made it fun for everyone, and the F!rosh who turned out showed plenty of spirit! And to those who tried to make off with hardhats, (and especially the scum who succeeded, (take note Phys Ed!)) we will find you...



THE CANNON



Acting
Editor-in-Chief
Sharleen Sy

Communications Chair
Ed Howie

Acting
Layout Editor
Pierre-Paul Sauvé

News Editor
TBA

Features Editor
Rowan Wilson

Sports Editor
TBA

Art Director
Joey Szeto

Ads Manager
Anthony Boulos

Distribution Manager
TBA

Photography
TBA

Staff
James Armstrong
Enrico Vonghia

Information

The CANNON is a monthly publication of the University of Toronto Engineering Society, with a circulation of 4000 copies throughout the U of T St. George campus. The mandate of the CANNON is to publish information that is pertinent to the interests of the engineering student body. Subscription information is available by contacting Julie Wilkinson at the Engineering Society at (416) 978-2917.

Advertising rates, production deadlines, and other pertinent information can be obtained by contacting the Engineering Communications office at (416) 978-5377.

Disclaimer

The CANNON is the University of Toronto's undergraduate engineering students' serious newspaper. The views expressed herein are those of the author and do not necessarily represent those of the editors or the Engineering Society unless so indicated.

Correspondence
THE CANNON
Editor-in-Chief
10 King's College Road
Sandford Fleming Building Rm B670
Toronto, Ontario
M5S 1A1
Tel: (416) 978-5377
Fax: (416) 978-1245

Women In Engineering Conference 1994

Thursday, October 20, 1994

Queen's University: Kingston, Ontario

The Conference on Women in Engineering is an annual conference hosted by the Equality Issues Committee of the Queen's Engineering Society. The theme this year is "New Facets of an Old Profession". The aim of this conference is two-fold: to aid the profession in realizing its changes and to suggest ways for it to adapt in a positive manner. This will be brought about by facilitating open discussion among the participants on a variety of issues

concerning women in engineering; by recognizing the contributions of women in engineering; and by examining the problems and proposing solutions to the problems that are still encountered by women in engineering.

The conference is open to all engineering students from all universities, with participation from industry, government and academia. The University of Toronto Engineering Society would like to send a delegation of interested students to this conference. These students will leave Toronto sometime Wednesday afternoon/evening and will travel together to Kingston. They will stay at the Holiday Inn, the site of the conference, and will at-

tend the day-long conference on Thursday.

All undergraduate engineering students here at U of T are encouraged to apply to be a member of this delegation. Application forms are available from **Karen Lev, Vice President: External** of the Eng Soc or from **Julie Wilkinson, Administrative Assistant, Eng Soc Sandford Fleming Rm. B670 tel: 978-2617** Any questions about this or other conferences can also be addressed to our

e-mail account:
engsoc@ecf.toronto.edu. Applications are due by Oct. 6, 1994.

The Drive For Acceptance Continues

Well, it's hard to believe, but I've been "out" (orientation-wise) in Engineering for a month now and nothing much has happened. Over the summer, I asked some friends to read the first article I wrote [see Sept.'94 Cannon]. They shared their criticisms and offered some encouragement. Some of them tried to persuade me to submit it anonymously. They warned of possible harrassment and believed that I was jeopardizing my personal safety. But, I have more confidence in Engineers than their popular reputation will permit. I expected people to be uncomfortable at first, and I admit that I was concerned about a few individuals, but, I didn't think that I'd see any out and out hatred.

My biggest concern, so far, has been that I have received very little feedback. I would be more comfortable dodging the occasional bullet or finding that my actions were generating discussion. If anything is happening, it is being hidden from my view.

One explanation I have been offered is student apathy. Another suggested that Engineers are too busy juggling problem sets, quizzes and labs to notice or deal with anything nonacademic.

I think that many people are finding themselves confronted by this issue for the first time. There is a tendency, maybe even pressure, to vocally denounce same-sex attraction to remove one's self from suspicion. Of course, this action presupposes that there is something intrinsically wrong with being lesbian, gay or bisexual (like me). It at least suggests that many of our peers feel that way. Since no one is willing to talk, we can't really know. Some people seem so concerned about what their friends may be thinking that they won't stop to evaluate their own beliefs.

The lack of comments in my presence

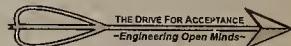
makes me wonder what, if anything, is being said in my absence. Paranoia? No, but, it is disconcerting.

I invite you to send comments or questions by e-mail (naidoo@ecf) or even hand-written (drop off at the Engineering Society office).

Vernon Naidoo MMS 9T6+1+PEY

The Drive For Acceptance is run by U of T Engineers who are working to generate an atmosphere where people of all genders, races and sexual orientations can feel safe, comfortable, and welcome.

[HTTP://file://localhost/u/9T6/naidoo/DFA/DFA1.html"](HTTP://file://localhost/u/9T6/naidoo/DFA/DFA1.html)



ATTENTION, ENGINEERING STUDENTS!
YOU TOO CAN PROTECT YOUR
VALUABLE EQUIPMENT WITH NEW
BURGLAR-BE-GONE!!



Suds Staff Announcement

Anyone interested in working at Suds, the Engineering Pub, please come talk to the Pub Managers, Ed or Taras or leave a note in their mailbox in the Engineering Society, SFB670. All staff must be certified through the University's Server Training Program. All are welcome, especially (of age) Frosh!!

McLaren, Sanders

CHARTERED ACCOUNTANTS

144 ST. GEORGE STREET TORONTO, ONTARIO M5S 1A2 CANADA

AUDITORS' REPORT

TO THE MEMBERS
OF THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY

We have audited the balance sheet of THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY as at May 31, 1994 and the statements of surplus, revenue and expenses for the year ended May 31, 1994. We have also audited the financial statements of THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY for the year ended May 31, 1993. These financial statements are the responsibility of the members of the society. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain appropriate assurances about whether the financial statements are free of material misstatement, whether due to fraud or error. An audit includes examining evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

The organization derives certain revenues from specific functions, the completion of which does not necessarily indicate audit verification. Accordingly, audit verification of these functions is limited and may not extend to the elements of the organization and we were not able to determine whether any such revenues might be necessary to revenues, excess of revenue over expense, and surplus.

In our opinion, except for the effect of adjustments, if any, which we might have determined to be necessary had we been able to satisfy ourselves concerning the completeness of the revenues referred to in the preceding paragraph, the financial statements present fairly, in all material respects, the financial position of the organization as at May 31, 1994 and the results of its operations and the changes in its financial position for the year then ended in accordance with generally accepted accounting principles.

McLaren, Sanders
Chartered AccountantsToronto, Ontario,
August 4, 1994.

THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY

	BALANCE SHEET					
	SOCIETY	STOCK	TOTAL	SOCIETY	STOCK	TOTAL
Current Assets						
Cash and bank	\$12,509	\$1,759	\$14,268	\$20,062	\$712	\$20,844
Deposits	12,504	13	12,512	11,150	150	11,180
Accounts receivable	18,556	16,254	34,810	20,540	20,540	41,080
Inventory	2,710	187	2,897	1,454	161	8,815
Prepaid expenses	48,823	18,520	87,340	16,186	21,403	57,769
Funds Held in Trust - (Note 3)	13,567	-	13,567	13,884	-	13,884
Loan Receivable	-	-	-	1,000	-	3,000
Capital Assets						
Office furniture and equipment - net (accumulated amortization)	1994 - \$39,522	1993 - \$39,522				
Accumulated Amortization	10,029	1,012	11,041	21,737	1,282	22,019
Total Assets	\$81,399	\$10,523	\$91,922	\$74,771	\$22,870	\$97,641
Liabilities and Surplus						
Current Liabilities						
Accounts payable and accrued liabilities	\$11,564	5	\$11,564	\$10,163	\$16	\$10,179
Loan Payable	-	-	-	3,000	-	3,000
Graduation Bell - (Note 3)	10,038	-	10,038	10,828	-	10,828
Liability for Funds Held in Trust	13,567	-	13,567	13,884	-	13,884
Accumulated Surplus	47,232	10,523	57,755	56,265	19,892	76,154
Total Liabilities and Surplus	\$81,399	\$10,523	\$91,922	\$74,771	\$22,870	\$97,641

STATEMENT OF SURPLUS

For the year ended May 31, 1994

	1994	1993
Balances - June 1	\$59,746	\$64,484
Net Under (Over) Expenditure for the Year	(7,919)	(4,228)
Balances - May 31	\$66,745	\$59,746

STATEMENT OF REVENUE AND EXPENSES

For the year ended May 31, 1994

	1994	1993
Revenue:		
Fees - (Note 4)	\$19,108	\$15,726
Miscellaneous Income	4,453	3,041
Lockup Income	5,259	4,570
Alumni Donations	26,800	26,200
Gate Revenue	1,023	1,172
	104,877	134,530
Net Loss from Store Operations	(23,031)	(18,621)
	104,836	115,909
Expenses - per Schedules		
Salaries and Wages	50,419	54,413
General	128,723	124,410
	179,142	180,823
Net Under (Over) Expenditure for the Year	\$ 7,919	(\$ 4,228)

STATEMENT OF CHANGES IN FINANCIAL POSITION

For the year ended May 31, 1994

	1994	1993
Funds Provided (Used)		
Operating Activities		
Net under (over) expenditure for the year	\$ 7,919	\$ (17,718)
Add amortization which is not a cash loss	1,224	1,681
	12,275	(551)
Changes in Operating Working Capital		
Accounts receivable	1,384	11,914
Inventory	1,384	21,207
Prepaid expenses	928	603
Accrued payable	1,053	(19,203)
	17,510	22,450
Investment Activities		
Proceeds on sale of investment asset	-	1,429
Purchase of capital assets	(3,294)	(4,125)
Increase (Decrease) in Graduation Bell liability	(772)	159
	(4,028)	(4,146)
Increase (Decrease) in Cash and Term Deposits During the Year	13,428	9,404
Cash and Term Deposits - June 1	20,844	11,410
Cash and Term Deposits - May 31	\$24,258	\$20,814

McLaren, Sanders

CHARTERED ACCOUNTANTS

144 ST. GEORGE STREET TORONTO, ONTARIO M5S 1A2 CANADA

Telephone 416-595-1000 Telex 58-700144 Fax 416-595-1000

ADDITIONAL INFORMATION

In connection with our audit of the financial statements of THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY for the year ended May 31, 1994, we have reviewed the additional information presented in the following schedules. This information has been taken primarily from accounting and other records of the society and does not form part of the financial statements or the results of the society's financial position or the results of its operations.

An audit of the financial statements of THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY for the year ended May 31, 1994 was incurred primarily for the purpose of verifying the figures on the financial statements and the totals taken as a whole and was not such as to enable us to express an opinion as to the fairness of all the parts of the information in the following schedules included in this report.

Volume 12, Number 2, October 4, 1994

Financial Statements

NOTES TO FINANCIAL STATEMENTS

May 31, 1994

NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND REVENUE RECOGNITION

Cash and Short-Term Investments

Cash does not include amounts held for committee activities and affiliated clubs. These deposits are charged to committee expenses at the time the monies are advanced by the Society.

Inventory

Inventory is valued at the lower of cost (as determined on a first-in, first-out basis) and net realizable value.

Capital Assets

Office furniture and equipment is recorded at cost with amortization provided on a declining balance basis at 10% per year.

NOTE 2. FUNDS HELD IN TRUST

Funds held in trust represent monies advanced to the society which do not belong to it and are being held in trust until disbursed.

NOTE 3. GRADUATION BELL

Each year, a portion of the orientation fees is appropriated for the graduation bell. As at May 31, 1994, the amounts appropriated are set out as follows:

\$110,015

NOTE 4. EARNINGS

Student fee revenue is reflected in the financial statements net of levy fund contributions paid as follows:

\$159,108

STATEMENT OF SOURCE OPERATIONS

For the year ended May 31, 1994

	1994	1993
Sales	\$24,311	100,000
Cost of Sales	21,254	10,254
Inventory - Beginning of the year	20,549	43,437
Purchases	21,245	10,457
Inventory - end of the year	28,605	53,184
Gross Profit (Loss)	2,769	(22,784)
Depenses		
Stock salaries and employee benefits	3,492	3,210
Repairs and maintenance	219	228
Office and general	119	559
Amortization - office equipment	253	132
	5,063	5,101
Net Loss from Operations	(2,294)	(10,615)
Legal Settlement	-	9,000
Net Loss for the Year	\$ (311)	\$ (18,725)

See accompanying notes.

SCHEDULE OF GENERAL EXPENSES

For the year ended May 31, 1994

	1994	1993
Communications		
Handbooks	\$ 5,003	\$ 12,570
Yearbook	2,181	1,273
Publications	775	444
Insurance	2,384	2,094
Education and book charges	143	172
Professional fees	4,107	5,572
Office wages and employee benefits	29,517	27,209
Printing and stationery		
Reproduction and maintenance	6,724	6,278
Telephones	1,450	531
Fax	-	888
Mail	1,267	1,429
Miscellaneous		
General	58,818	\$34,031

See accompanying notes.

SCHEDULE OF COMMITTEE COSTS

For the year ended May 31, 1994

	1994	1993
Communications		
Handbooks	\$ 1,560	\$ 10,093
Yearbook	1,214	1,273
Publications	720	1,273
Postage	1,125	1,125
Fax	1,000	1,000
Email	1,000	1,000
Other	1,000	1,000
Total	5,744	\$10,093
Entertainment		
Social	2,474	2,450
Chorus Hall	1,050	91
Octopress	1,214	1,214
Caterers	1,222	-
General	1,222	-
Total	7,954	\$2,450
General		
Chorus Hall	99	734
Octopress	4,449	5,121
Kipling Ritual	3,150	3,850
Other	1,000	1,000
Total	8,753	\$10,000
Professional Development		
General	1,419	5,577
Women in Engineering	3,883	5,021
First year	765	732
Post-grad	2,511	255
Social	3,090	3,728
Special projects	3,249	-
GEC	-	373
SUC	2,500	300
SUC/OC	3,625	3,223
SUC/OC/OC	4,023	4,128
OC/OC	56	323
High school liaison	58	323
Total	22,715	\$26,883

See accompanying notes.

TOTAL COMMITTEES

For the year ended May 31, 1994

	1994	1993
Engineering		
Engineering Law	\$ 17,500	\$ 16,310
Engineering Science	5,000	5,000
Engineering Comps	5,000	5,000
FD	5,178	5,178
GEC	5,000	5,000
GEP	5,000	5,000
GOC	5,000	5,000
GOC/OC	5,000	5,000
GOC/OC/OC	5,000	5,000
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ENGINEERING SOCIETY NEWS

Career Information Day 1994, A great success!

Julian Wright IND 9T7
Employment Chair

On Monday September 26, 1994 Career day was held in the East and West Halls at University College. Over 43 companies were represented including 13 specifically aimed at engineers, such as Ericsson, Allied Signal Aerospace, Delrina Corporation, Bell Canada, and even CIBC! Throughout most of the day, the two halls were packed with interested people, many of whom were engineers who were not in fourth year!

Career day is for everyone, not just fourth years and graduates. In the one and half hours that I spent that day, I was able to get many business cards, some contacts, information about summer jobs and internships as well as information regarding potential jobs in my field of engineering. Most companies that I spoke with did have a positive message to send out. Companies are hiring students for summer jobs, and most are hiring graduates in most of the engineering fields.

The big highlight of the day was the two booths set up by Taco Bell and Blockbuster video which had previews of upcoming video releases! I was disappointed that there were no free Mexican food samples!

To conclude this article, I should mention that many companies who did not come such as IBM or Northern Telecom specifically wanted to have their own special day at the University. The reason of the change is due to the increasing demand of companies to have more feedback from potential employees, permit more time to explain to individuals about the companies themselves, and have more control over the presentation and format to the public. Throughout the fall, I would expect to see more companies visiting the university so keep checking the electronic sign in the atrium or your dependable class rep!!!

1994/95 HOLIDAY SCHEDULE

Thanksgiving Day	Monday October 10, 1994
Social Contract Day	Fri. December 23, 1994
Christmas/New Year Moday	December 26 to Friday, December 30, 1994 inclusive
Good Friday	Friday April 14, 1995
Victoria Day	Monday May 22, 1995
Social Contract Day	Friday June 30, 1995

Eng Sci Club News

Tickets are now on sale for our spectacular Dinner Dance. The Primrose is being primed for our party on Saturday, November 12th. The NY Stock Market Club is ready to begin investing. If you want to share in the fun, leave a note with your name and telephone number in the Eng Sci Club Chair's box in Eng Soc. The next smoker will be in early October, keep your eyes peeled for announcements. Good luck in your mid-terms.

Aaron Steinman, NY Club Chair

Hart House Music

The Hart House Music Committee would like to make you aware of the great concert series available at Hart House this term. In addition to Jazz at Oscar's and Hart of the Drum, consider the Sunday Afternoon Series:

BRIDGET HUNT, violinist, on Sunday October 16 at 3:00pm. Concerts take place in the Great Hall and there is a reception to follow.

PENDERECKI STRING QUARTET, on Sunday November 6, and on December 4 be sure to hear **MILLENIUM**, led by violinist **SCOTT ST.JOHN**. All Sunday Afternoon Concerts take place in the Great Hall at 3:00pm, and are always followed by a small reception.

All Hart House concerts are free of charge and are open to all University of Toronto students.

EXTERM PROGRAM

Extern is a 3 to 5 day volunteer job shadowing program open to 2nd, 3rd and 4th year undergraduates. If you are unsure of the career you would like to pursue, Extern provides an excellent opportunity to:

- gain valuable career advice by speaking to a professional in your field.
- investigate the skills required in your career field.
- explore the work environment in the career of your choice.

Extern takes place during reading week - February 13-17, 1995. The deadline for applications is October 28, 1994. Applications are available at the Career Centre.

4th Year Committee

To the Grads of 9T5...only 107 class days left until you're outta here! (This does not include exams, holidays, weekends, etc.) The 4th year committee is currently planning some of the events you will be engaged in this year. On November 25th the 9T5 days to Iron Ring Party will take place. Be prepared to party with your whole class. Details will be announced by your class rep in the near future. The Iron Ring ceremonies will commence on March 1. The Gradball this year will be held on March 18 at the Marriott Eaton Centre - look for ticket sales beginning of February. For more information about the 4th Year Committee - leave a message in the 4th year mailbox in the Engineering Society Office, attention: Sara or Walter.

Club Dinner Dance Schedule

COMP/ELEC November 5

ENG SCI November 12

INDUSTRIAL November 19

MECHANICAL November 18

CIVIL November 19

CHEMICAL November 25

MMS TBA

GEO TBA

ENGINEERING SOCIETY NEWS

A Message From the New VP Finance

HELLO !!!

I would like to extend my greetings to all of the members of the University of Toronto Engineering Society. I am your new Vice-President: Finance which means that I am here to serve you (but I don't do windows and homework ... unless you truly want to get the boot!).

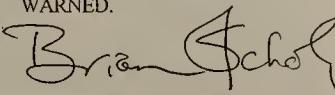
With the approved renewal of the Temporary Levy fund, in conjunction with the additional \$50.00 per student commitment from the Administration, quite a significant improvement to undergraduate student facilities (both in general and specific to each department) will be realized this year. If you have any suggestions as to how this money can be put to good use please let your

Club Chair know about it or leave a note in his/her mailbox in SF B670 (serious suggestions only, please !!!). It was with the informed and knowledgeable foresight that you, the students, approved the continuation of this very worthwhile and necessary fund.

Also, on a very serious note, there has been a recent rash of thefts plaguing the Eng Soc and Engineering buildings in general. If you are one of the ones responsible, or know of someone who is, do note that you are ripping yourself off. Don't complain of increased fees and diminished services since it is YOU who is responsible. If you truly need the cash please apply to OSAP or acquire the funds through other legitimate means. If you have any information regarding any theft please approach Julie in the Eng Soc office and/or any of the Officers of the Engineering Society (Ruby, Karen, Rowan, Mike, or myself). We would be most receptive to any information that sheds light on any theft that has occurred or is being planned to occur.

PLEASE NOTE THAT THERE IS A ZERO TOLERANCE POLICY IN REGARDS TO THEFTS. ANY THEFT, VANDALISM, AND/OR OTHER SUCH DESTRUCTION HINDERING THE AVAILABILITY OF ANY SERVICE AND/OR FUNCTION OF THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY OR OF ANY OF ITS AFFILIATED MEMBERS WILL BE IMMEDIATELY REPORTED TO THE METROPOLITAN TORONTO POLICE FORCE AND FULL CRIMINAL CHARGES WILL BE LAID.

If you are studying in Engineering or in any other professional body, note that, upon any such conviction, a permanent ban on practicing such a licensed practice in Ontario and elsewhere is automatically imposed by the respective regulatory body. BE WARNED.



Other than that...I look forward to a very productive year. Have fun and be merry !!!

Brian Scholz
V.P. Finance, 1994-1995



BRIAN SCHOLZ

Engineering Liaison - Terry Johnston

New for the fall of '94, the Career Centre has a menu on the UTLINK gopher. Now you can find out the latest information on upcoming events, seminars & workshops, new acquisitions in the library, employment opportunities, deadline dates for ACCIS applications, interview schedules, the Extern program, volunteer opportunities and more.

To access the Career Center gopher menu, students without email accounts can access UTLINK through any one of the terminals at any of the libraries on campus. You will need to identify your library card number when logging in. Those with email accounts should point their gopher client to `vax.library.utoronto.ca` or through UTLINK, TELNET to `vax.library.utoronto.ca` and at the USERNAME: prompt, type UTLINK. Then select item 8) GROUPS & SERVICES and choose 3) Career Centre menu. Information is updated weekly.

On another note, as most of you are probably aware, there wasn't a separate Career Day for engineers this year. In spite of contacting some 600 employers, there were few employers who

I spoke with who could predict their hiring needs far enough in advance to use Career Day to their advantage. As most of you know, the job market has changed radically in the past few years. Employers are now faced with the realities of downsizing, just-in-time hiring, contract, and temporary hiring. Traditionally, career days have been a place for employers to promote themselves prior to participating in on-campus recruiting. This no longer meets their hiring needs. That is not to say that employers are not hiring. In fact, as the recovery takes hold, there has been tremendous growth in listings for immediate openings without Recent Graduates Employment Service. What these changes mean, however, is that you will need to spend more time in your job search.

Finally, a word to those of you who will be needing a summer job next summer. START LOOKING NOW. Summer jobs are already coming in for next year. Those of you who get into the Career Center and find out how to put a good resume together and how to market yourselves are going to be in the best position to get the good summer jobs. Also, if you still haven't completed your 600 hour practical experience requirement, visit the undergraduate student counselor in your department to find out exactly what kinds of experience will qualify toward your 600 hours. Those of you who will be graduating this year who have not yet registered with the Graduating Students Employment Service should do so as soon as possible. GOOD LUCK IN YOUR JOB SEARCH !

A Message From The Secretary

Hey folks. This is your Secretary speaking. I'm writing this article for three reasons. Reason 1: I have some important things to tell you; Reason 2: I like to type; and finally Reason 3: The editor was in serious need of filler.

Seriously though I wrote this article to tell you about some of the more interesting things I do as secretary. I have the joyous task of programming the electronic sign in the Atrium. On it you will find important announcements about upcoming events like Information Seminars with engineering firms or seminars on how to improve your grades. Also, if you want to see a message of your own on the sign its as easy as leaving your name and your brief message on a piece of paper and dropping it in the Secretary's mailbox in the Engineering Society.

Another thing you may not know about your Engineering Society is that it is *your* Engineering Society, so come on in! There are PC's available for use, a free (!!!) telephone, a photocopier, and cheap pop. If you ever have questions about anything, you're in the right place. Just ask myself (I'm in the Officer's room) or just about anyone else and he or she will be more than happy to help you. After all how else are you supposed to know if you don't ask? Until later...

Mike Paszti CHEM 9T6

Needed: Cannon Editor

We are in serious need of a Cannon Editor. This Publication is of vital importance to the engineering faculty, as it delivers important factual information to the Engineering student population concerning clubs, eng soc info, faculty info, intermural sports info, etc. The Cannon is published monthly and is looking for an eager 3rd or 4th year student who is organized and a leader. You will have a full staff to help you with this 8 page publication.

Get involved with your Engineering Society and help make Skule an awesome faculty!

If you are interested in becoming The Cannon Editor, please contact Ed Howie, Communications Chair or leave a message in his mailbox in the Engineering Society offices.

P.S. We are also looking for people to help paste up, write articles, and help with the Cannon. For more information, leave a message in the Cannon Mailbox in the Engineering Society offices. F!ROSH are welcome!

The History of Skule™ Nite

Edited by Sharleen Sy, Skule™ Nite Producer
from The Cannon 1980

"8:30 pm, Wednesday March 2nd 1921. The last few bars of the overture were barely audible as thunderous applause of 1343 people opened the main curtain of Massey Hall. This marked the beginning of what was to become the "highlight of the school year" in not only the Engineering Faculty, but in the entire University. In its time it would become a full-length show running for as many as eight performances, drawing crowds of up to three thousand people, attracting the attention of the press, television, and theatre scouts from all over Canada. In the next fifty years this show would develop some of the best musical comedy that has ever originated in Toronto, including costumes and dance steps comparable to those of Flo Ziegfeld, sets and technical innovations equal to the best of Hollywood in its late forties-early fifties prime, and a completely new form of entertainment that is said to have been the forerunner of television musical comedy shows like those of Toronto's own Wayne and Shuster, and more recently Rowan and Martin's "Laugh-In". Whether these statements are an exaggeration or not does not really matter. The fact is, they are the memories that remain with the thousands of actors, actresses, stagehands, directors, producers, and audiences that have ever been a part of Skule™ Nite.

The origins of Skule™ Nite can be traced as far back as the early years of the century. At that time there was no show as such, but frequently students and professors would perform short skits and musical ensembles at social events during the year. In 1920 the Engineering Society Executive appointed a Stunt Night Committee to bring together all these scattered dramatic efforts into one show. As it turned out, there was so much interest in this idea that it was decided Massey Hall should be rented for the performance. On March 2, 1921 a thirteen act revue called "NGYNRS SPASMS" was performed with overwhelming success. The show included short skits such as "Laboratory Lapses" and "The Adventures of Chlorine", as well as musical and instrumental interludes all written and performed by Skule™ Students. A relatively new addition to the Faculty was the Toke Okestra, an "All Skule" organization, who received the fruits of their labour, not in the form of cabbage and bricks, but in applause and appreciation.

Transactions, 1921

The great success of this show brought "NGYNRS SPASMS" back to Massey Hall the next year. As in the year before, tickets were sold at fifty cents each to cover costs (in those days it cost \$1.98 to rent the Hall). The show in its second season was again extremely well received.

In 1923 however, the format of "NGYNRS SPASMS" changed quite radically. The show was moved to Hart House for reasons that now seem humorous. As it is reported in "the Transactions" of 1923, the move to Hart House had little to do with the show itself, and was rather a vehicle to get women to visit Hart House and enjoy all the facilities that had to offer. They saw Hart House as - with all of the departments in action - from the rifle ranges to the library (I guess in those days, women didn't go into Hart House much - ed.)

Transactions, 1923

1923 brought about a complete change in the type of show that had been presented in the previous two years. The performance in the Hart House Theatre was only a small part of the evening's festivities. Almost the entire House was opened up for displays, demonstrations, and sports activities. There were swimming and waterpolo exhibitions in the "tank" (now called the pool), basketball games, fencing, boxing, and wrestling matches in the gyms, and shooting competitions in the rifle ranges. One of the highlights of the night was the "Midway" in which each Department ran games or demonstrations, giving lollipops out as prizes, "Hot Dawgs" and coffee were on sale for five cents and there were three dance bands on hand from 10:30 pm until 1:00 am. 1923 is regarded as the beginnings of Skule™ Nite. It was truly a Skule™ Nite, with all facets of student activities on display. Admission was free and of course restricted to Skule™. There were

over two thousand people in Hart House that night. The format of Skule™ Nite was established in 1923 continued for over twenty years, combining a variety of theatrical reviews with displays, competitions and dancing. In 1924 an original play called "Insomnia" was performed in which Ralph Kerr, the author, played the leading female role (due to the shortage of women in Skule™, all roles were played by men). The play was a humorous prophecy of the faculty and the university thirty years into the future, and like much of our humour today in the Toke and Skule™ Nite, was based on a satire of the present life at the university. It is interesting to note that many of the atti-

evening in the past were dwindling however. So much effort was being put into the theatrical portion of the event that there was no time or support for organizing the other activities. In the following year, the revue would become the only attraction on the Skule™ Nite program.

Skule™ Nite 1945 began a new era in the history of this yearly event. The show was moved ahead into November and ran for several nights. A director and a producer were chosen almost a full year before show time and work would begin immediately. Detailed sets, lighting, and technical effects became more and more complex, each year



tudes that were depicted in the early days of Skule™ Nite are still prevalent today. The Skule™ Nite of 1929 (or Stunt Night as it was sometimes called) presented one skit in which the Varsity staff was convicted of "many unmentionable crimes" and the editor was subsequently hanged. Doubtless this skit would be as hilarious now as it was then. The club displays that were scattered throughout the House also added fun and enjoyment to the evening's activities. One display at Skule™ Nite 1924 was a particular hit:

"The Chemical Club with the aid of an array of stills and vats gave an exhibition of the manufacture of the forbidden fluid, but alas, all that was served to the mob that surged around was harmless orange crush"

Transactions 1924

For the next twenty years, Skule™ Nite, enjoyed the reputation of being the most popular "Informal Night" on campus. It was credited with the highest attendance of any social event put on at the University. By 1936 the evening had expanded to include two performances of the revue in the theatre, a buffet supper, and dancing with five orchestras until 2:00 am. It was certainly a full evening of entertainment for the modest admission price that was levied.

This popularity continued through the late thirties and early forties. Although the "Midway", the club displays, and most of the sports competitions were slowly disappearing from the list of attractions, the revue itself was becoming the most important part of the evening. Of course the old dance bands were always very popular. On of these bands was described in the following way:

"...the commodores (a quartet) catered to all with lilting waltzes and "repeat Jive" mingled with dances such as the popular "Coki Oki". What else could one ask for?" Transactions and Yearbook, 1940 The Skule™ Nite of 1944 marked a changing point in the history of this social event. Because Hart House Theatre was unavailable that year, the entire show was moved over to the Royal Ontario Museum (why the ROM of all places is a mystery). Timer beams and columns, a timber ramp, a helicopter (loaned by the T.T.C.), a tatem pole, a tandem bicycle, spotlights, backdrops, platforms, a bed and mattress, a switchboard, streetlamps, etc., all invaded the Museum for the show. There is probably truth to the rumour that on February 4th, 1944 Cleopatra turned over in her sarcophagus. A tremendous amount of work was put into the performance that year, and the show was extremely well done. The added festivities that had played such a large part in the

building on the knowledge of the year before. The cast and crew also grew from year to year, as more people returned to take part in the show for their second, third, and even fourth season. The number of people directly involved in the performance reached as high as one hundred and fifty. Professional musicians became involved: a conductor was often hired as was a choreographer. After 1944 the role of women in the show became very important. Women in Engineering, Nursing, Pots, and Arts and Science all came out to audition. In fact, in 1961 out of one hundred and fourteen people in the cast, forty-five were women.

1945 began a trend in the style of Skule™ Nite that would last for over twenty years. By 1949 eight performances of the show were being given and even more people were clamouring for tickets. It has been said that in the fifties one ticket to Skule™ Nite would trade for two tickets to the Grey Cup on the open market. The show was rapidly becoming more professional in dancing, singing, acting, and especially in technical effects. A whole term would be spent building machines and "gizmos", many of which had only cameo roles, but all of which added a special touch that was familiar to Skule™ Nite alone, a touch that only Engineers could add.

During the fifties magnificent dance scenes and chorus lines outfitted in elaborate costumes were a major part of the production. Those who were involved in Skule™ Nite during the fifties and sixties will remember well Arline Patterson, the choreographer who returned for twelve years running to work on the show. Her dances have often been compared to those of Flo Ziegfeld in style and complexity. In this era many of the people involved in Skule™ Nite came back year after year after year to take part: directors like Bob Zacharek, singers like the Skule™ house Four, and many other dedicated people. This was perhaps the greatest asset of Skule™ Nite during these years, each new season brought back at least fifty old faces, experienced and eager to do it all again.

The performance itself during these fruitful years was invariably based on humour. It was made up of short skits, quick and fast moving, each one poking fun at some institution or tradition, and for the most part were used to poke fun at Engineers themselves.

In the later sixties however, attendance at Skule™ Nite was beginning to drop off, as it was for many campus activities at the time. The once spirited college student was being replaced by a more serious breed which was not the least interested in

the old "rah rah" life than at one time had embraced the university. This change in student attitude was becoming evident on campus' all over the world. Although the spirit in Skule™ was less affected than most faculties, by 1966 the box office of Skule™ Nite was beginning to suffer from it. By 1968 it was becoming very hard for the Engineering Society to justify the thousands of dollars to produce the show.

In an attempt to revive interest in the Engineering production, the Society in 1968 decided to put on the Broadway musical comedy "Stop the World, I Want To Get Off". As much work was put into this show as ever before, and it was probably the best theatrical performance in the history of Skule™ Nite. But it did not sell, and thousands of dollars were lost. To all those involved in the production that year it must have seemed that the days of Skule™ Nite were over. The next year the Executive of the Engineering Society, still suffering from the debt of the year before, would not support another Skule™ Nite. Three years, and in this short time Skule™ Nite became almost a legend. By 1972 most Skule™ students had never heard of this event that had once captured the delight of thousands. Many did not care.

Finally in the summer of 1972, with the spirit of the centennial being cues in the wings, and with the determination of a handful of Society members, it was decided that Skule™ Nite would be revived for the centennial year. This decision was hardly an easy one to take. There was much opposition, and most of it well founded on arguments of finances, lack of interest, and no experience. Nevertheless, the decision was made, Skule™ Nite would go on one more time, even if only as a tribute to its fiftieth anniversary and the hundredth anniversary of the faculty. And so on February 14-17th, 1973 Skule™ Nite once more, and perhaps for the very last time, was brought to life under the lights of the Hart House Theatre.

The unprecedented success of Skule™ Nite 713 sowed the seeds of excitement for the cast and crew of that show, who set out in short order to create a theatrical dynasty which still exists today.

Much of the script of the '73 show was a reworking of skits from previous years. Utilizing the success (and ignoring the failures) of that material, the budding script writers began writing an entirely original show. With a certain amount of "poetic license", Skule™ Nite 714 was written and performed, once again at Hart House Theatre. Artistically and financially, the show suffered from an overly ambitious writing and production staff, but the "high" of the performance was too great, to exhilarating to ignore. Skule™ Nite had run its course for good.

Over the next six years, Skule™ Nite has evolved into the most efficiently run, well designed, and enjoyably performed musical revue on campus. Skule™ Nite 719 and 810 received excellent reviews from "The Varsity", which has been well-known as a miserly donor of plaudits. Comments from the "Toke Oike" have never been short of laudable, if not prejudice.

The ever-increasing popularity of Skule™ Nite was demonstrated in Skule™ Nite 810, when producers Pierre Gagnon and Graham Skells (himself a three-year veteran of that job) reported ticket sales of 97% for the four nights, the culmination of the experience of eight shows since 1973.

Under the long and experienced guidance of "Mr. Skule™ Nite", Paul Baker, his partner in artistic crime, Rob West, and the inspired writing of Jim Podolak, Skule™ Nite has survived the 1977 blaze at the Sir Sanford Fleming Building, eviction from the Borden Building in 1980, financial disasters, and ugly reports of student apathy towards Society activities. In spite of itself, and because of itself, Skule™ Nite will outlast us all. Today, there are over 100 student participants in this 70 year old tradition. FIROSH who bought FIROSH Kits this year will have a chance to see the show in March - for the rest of you, tickets go on sale in January....See you there!



A lot of people have been wondering what that strange card game is that everyone is playing. Well, the answer is simple. It's a not-so-new card game called *MAGIC: The Gathering*. The game, produced by Wizards of the Coast, is for two or more players. The goal: to destroy all your opponents. Each player starts with a hand of seven Magic cards, drawn from their own deck. This deck, of any size, contains all the spells, creatures and power needed to duel. As the game proceeds, each player has an opportunity to play land, creature and spell cards.

Land cards provide the energy for the rest of your hand. This energy is called *mana*, and comes in five colours: red from mountains, blue from islands, white from plains, green from forests and black from swamps. Each player is allowed to lay down one land card per turn. These land cards can then be tapped, (by turning them sideways) which means their magical energy is being used.

This magical energy can be used to play creature cards. The amount of mana required for each creature is given in the upper right corner by symbols. The *Serra Angel*/creature requires two white mana (the star symbols) and three mana of any colour. This summons the angel, and on the player's next turn, it may



IT'S BETTER THAN BRISQUE!

attack other players. When a creature attacks, it does damage equal to its *power*. This is the first number in the lower right corner, 4 for *Serra Angel*. The opponent can defend against the attack with her own creatures. The defending creature can take damage less than its *toughness*. The toughness is the second number in the lower right corner, 4 for the *Serra Angel*. If the damage (equal to power) is less than the toughness, the attack is blocked. If the damage is equal to or greater, the attack is still blocked, but the defending creature dies and the card is discarded. The defending creature also does damage equal to its power to the attacking creature.

For example, James uses his *Serra Angel* to attack Rowan. Since the *Serra Angel* has the *flying* ability (as seen in the dialogue box under the picture), she can only be blocked by another flying creature. Looking at his cards, Rowan is happy to see his *Cockatrice* on the table, which can also fly, so he decides to block with it. The *Serra Angel* does four damage to the *Cockatrice*, which kills it, and the

Cockatrice does two damage in return, not enough to kill the *Serra Angel*. However, the *Cockatrice* has the ability to destroy any creature it blocks (see dialog box below picture), so the *Serra Angel* is destroyed. Both creatures wipe each other out!

Mana can also be used to play spell cards. *Drain Life* is an example of a spell card. It costs one black mana (the smudgy skull shape in the corner), and one mana of any colour. As the dialog box describes,

this spell does one damage to the target for every additional black mana used, while at the same time giving the player one life point for every additional black mana used.

This brings up player life points. Each player begins the game with 20 life points. Upon reaching zero life points, the player is out of the game. The last player left alive wins. Life points can be lost through spells, like the *Drain Life* spell, or by unblocked creature attacks.



should be included in the deck, as too many colours would be spreading the available mana too thinly. The colours are: black - the dark magic, nasty spells, blue - magic of the mind, lots of spells, red - conflict, lots of creatures and damaging spells, white - healing and protection, green - earth magic, plenty of creatures and neat spells. Some players like to have five smaller decks that they combine for each game into two-colour battle decks, while others like to custom build a deck and stick to it. Over the course of several games, you will be able to

streamline your deck to only have the cards that you play best with, and this can only be done through experience. A good battle deck has anywhere from 125 to 175 cards, but individual preferences vary. The key to deck size is that the larger your deck, the smaller the odds of picking up that really awesome card. A key to survival in the game is to have land cards make up about a third of your deck in order to be able to cast spells, otherwise you will not have the power to use your creatures and spells. After decid-



ing the cards you want, you stack your deck. This means making sure there is an even distribution of land, spells and creatures throughout your deck. Stack it any way you like, but the cards are always shuffled before the game.

The gaming part of *Magic: The Gathering* is not the only aspect to the game. The cards are also collector cards. Some of the different cards are uncommon, or even rare. Certain cards can have a retail value of up to \$15.00, so there is a certain investment made in the cards. Best described as sports cards you can play with, you would never flick them against a wall. So, how can you get started? Card packs are sold in most Comic Book stores at the following prices: Starter Decks (60 cards, 1 rare/pack) for \$10.00 and Booster packs (15 cards, 1 rare/pack) for \$3.00. We suggest you buy Booster packs because you have a better chance of getting powerful cards.

**ROWAN WILSON, MMS 9T6
JAMES ARMSTRONG, Eng. Sci. - Biomed 9T5**

Magic: The Gathering is copyright Wizards of the Coast Inc.

Interested in joining a *Magic: The Gathering* League? Leave your name and phone number in Rowan's Mailbox (VP Activities) in the Engineering Society Office - or walk into Eng Com...someone will be playing it!



ANNOUNCEMENTS

The University of Toronto Engineering Society presents its **Annual General Meeting**

**Tuesday, October 25, 1994 6:00PM at
TZ (Tanz Neuroscience) Room 6**

This notice is to call the Annual General Meeting of the members to approve the financial statements of the 1993-1994 University of Toronto Engineering Society and to appoint the auditors of the Corporation and to deal with any further business which may arise.

Free Food! Will it be Pizza? Doughnuts? Muffins? Come on out and find the answer to this and more!

This is an important announcement about Orientation

This Orientation went very well. I would like to thank all those who helped out, however, there was one incident that I am unhappy about. On the first day of Orientation, Tuesday, Sept. 6 1994, one of the F!ROSH groups and leaders was walking along a pathway when they met a female graduate student. There were some harsh words said between the orientation group and the grad student and as a result, the orientation group ended up spraying water on the grad student. The orientation leaders that were part of this group acted out of order. They displayed very bad behaviour to their F!ROSH and made a mockery of the Engineers. These individuals have added to the negative stereotyping associated with Engineers in this University. Please help us in finding these people. If you have any information please call 978-2917 or drop by the Engineering Society and ask for Ruby, Rowan, or Karen.

Ruby Nayyar,
President, Engineering Society

Octoberfest Friday, Okt. 14, 1994 at Waterloo

Tickets on Sale Soon - Check with the Engineering Society

U OF T DAY - OPEN HOUSE AND HOMECOMING

Saturday, October 22, 1994

SKULE™ BOOK MEETING

**Tuesday, October 11, 1994
at 6:00pm, In the Eng.Com.**